Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: CASON BRANCH	
Water Body Identification #:0729	
Completed UAA Checklist: Pre-Field Preparatory Data Sheet Maps with actual survey sites marked Data Sheet A Data Sheet B – 3 of 3 pages for each site Number of Sites: Data Sheet C (if applicable) Number of Interviews: Photographs Quantities Upstream Downstream Other	
I, the undersigned, hereby affirm to the best of m is true and accurate.	y knowledge, that all information reported in this UAA
Signed: A Hallardo Printed Name: Caroling Gallardo	Date:10 16 2006 Telephone #:410-356-8993
Printed Name: Caroling Gallardo	
Organization: <u>Tetra Tech, Inc.</u>	Position: Salntist

Date: 10/12/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: CASON BRANCH

WBID #: 0729

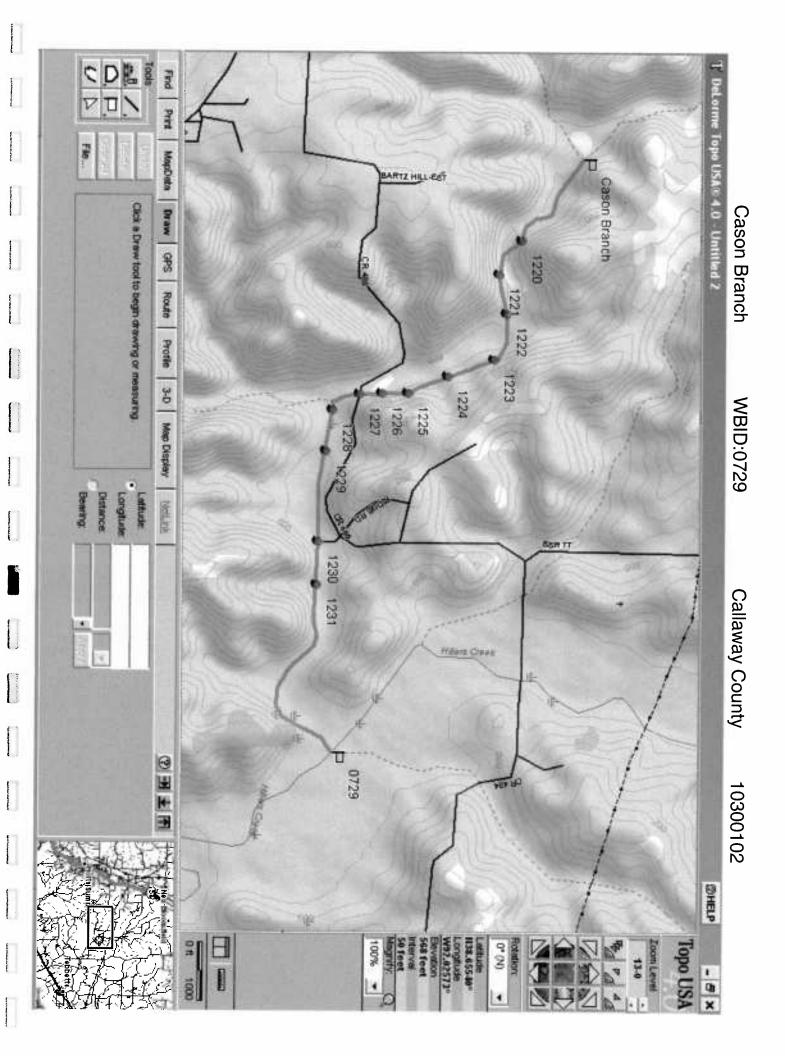
Upstream Coordinates: 38.65995, 92.05696

Downstream Coordinates: 38.65252, 92.04800

Current Weather Conditions: Cold, Cloudy, Windy

Number of Sites Evaluated: 128

Name(s) of Surveyor(s): Chad Barbour, Carolina Gallardo



WBID# <u>0729</u>

Date: <u>10/12/2006</u>

The segment of the stream in which sites 1228-1231 are located is all within private property. The bridge crossing in which site 1230 is located, is a private driveway, both upstream and downstream ends were fenced off. Made attempts to contact the home owner(s) but got no response, therefore were unable to complete sites 1230 and 1231. Drove to site 1227, and downstream end was again fenced off, thus unable to complete sites 1228 and 1229. Picture 1122 shows the downstream fence at site 1227.

WBID #_	0729	Site #	1220
Date: 10	1 12-1	2006	
		F	ield Data

Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data S	Sheet	B must be completed	for each site)	
Latitude (ddd.dddd):	38.45995			Arrival Time:	
Longitude (ddd.dddd):	92.05696	Ä	ert bm	14	017
Latitude (ddd.dddd): Longitude (ddd.dddd): Photo Ids: Upstream:	1142 E	owns	tream: 1143	Other: 1144-	TRACTUR TENACKS
Tarrative Description	of Location: (Des	cribe	access point to stream, nea	arby roads, landmarks, etc.)	
~1.14 Km 1	15 of CP14	18	bridge crossing	λ	
	OKT	וטטו	eriorge crossing	ナ	
Surrounding Condition tems of interest.)	ns*: (Mark all that p	romo	te or impede recreational u	ses. Attach photos of evider	ace or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks ☐ National forests		National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Fence ☐ Steep slopes		Other: An Field	5 -1143
Iuman Uses Observed	i*•			Other: Ag. Field Forest	-1142
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	□ Water shiine
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Water skiing
☐ Hunting			☐ Fishing	-	Rafting
	☐ Trapping	reatin		None of the above documentation of evidence	Other:
Describer (merude manne			s, inequency of acc, photo	documentation of evidence	of recreational uses, etc.)
Evidence of Human Us	se*:				
☐ Roads	☐ Foot paths/prin	nts	□ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:					
L.,					
Sources of Pollution: (e	e.g., trash dumping, t	ires, d	rainages, discharges, etc.)	A STATE OF THE STA	
P.F.STURES - 1143					

WBID # 0729 Site # 1220 Date: 10/12/2006 Stream Morphology:

Data Sheet B - Site Characterization - 2 of 3

Upstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
□ Run					
X Pool	1030	3.3	15	0.7	0.85
Flow	Present?	No	Velocity (ft/sec):		

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
□ Run					
Pool	1000 (1 Km)	1.4	15	0.27	0.38
Flow	Present? ☐ Yes	⊠ No	Velocity (ft/sec):		7

Substrate*: (These values should add up to 100%	dd up to 100%.)
---	-----------------

,								
60	% Cobble	30	% Gravel	.10	% Sand	% Silt	% Mud/Clay	% Bedrock

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

	<u></u>		
ALGAE - 10% STREAM F	AFFOCTED		
		 	

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	□ Musky	☐ Chemical	☑ None	☐ Other:
Color:	☑ Clear	□ Green	☐ Gray	□ Milky	☐ Other:
Bottom Deposit:	☐ Sludge	□ Solids	☑ Fine sediments	□ None	☐ Other:
Surface Deposit:	□ Oil	□ Scum	□ Foam	☑None	☐ Other:

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Date: 10 / 12/ 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).
NONE
NUNE

Date: 10 / 12 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live i	in the area? □`v long have you		NONE	
	rsonally used thi		creation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	□ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you ob	G $1-5$ time G Less than ————served others us	1 time per year – p	lease describe:	
	ase check ALL t		T_	
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
	G More than $1-5$ time	rved it being used 5 times per year s per year 1 time per year – p		
4. Additional C	omments:			
Contact Inform Name:	ation (if willing	to provide):		

Address:

Telephone #:

Date: 10 / /2 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Latitude (dad.dadd).	9,65386		Arrival Time:	
Longitude (ddd.dddd):	092.05516	500 - 2m]	605
Photo Ids: Upstream:	1139 Cés rollalul	ere-3~ Pownstream: 1138	Other: 1140.41	ENCE
rrative Description	of Location: (Des	cribe access point to stream	nearby roads, landmarks, etc.)	
130 m UPSTAGAM		orice access point to stream,	nearby roads, fairthaires, etc.)	
rounding Conditions of interest.)	18*: (Mark all that p	promote or impede recreation	nal uses. Attach photos of evide	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation land	ls Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☑ Fence	☐ Steep slopes	Other: PASTURE-	1140
man Uses Observed	L1140			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:
dence of Human Us	***************************************		oto-documentation of evidence	
	☐ Foot paths/prin	its Dock/platform	☐ Livestock Watering	□ RV / ATV Track
□ Roads				
	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
□ Roads		☐ Fire pit/ring	□ NPDES Discharge	☐ Fishing Tackle
□ Roads □ Rope swings □ Other: NONE	☐ Camping Sites	Fire pit/ring		☐ Fishing Tackle

QC XX

W	BID# <u>07</u>	29 s	lite # 12	21					4
	ite: 10/								
				Sheet B - S	Site Charac	terization -	- 2 of 3		
St	ream Morp Upstream `		vsical Dim	ensions:	* DRY S	TREAMAED			
		Distar	nce from point (m)	Width		Length (m)) A	Avg. Depth (m)	Max Depth (m)
	□ Riffle								
	□ Run			<u></u>					
	□ Pool			· · · · · · · · · · · · · · · · · · ·					
	□ Flow	Present?	☐ Yes	□ No	Ve	clocity (ft/sec)):		
	Downstrea	m View	Physical D) imensions:	:				
		1	nce from point (m)	Width	(m)	Length (m)	A	Avg. Depth (m)	Max Depth (m)
	☐ Riffle		,			****			
	□ Run								
	Pool	380)	10.4	_	56		0.3	0.38
	Flow	Present?	□ Yes	No No	Ve	elocity (ft/sec)):		
Su	bstrate*: (These valu	ies should ad	d up to 100%.)				
	30 %	Cobble	10 %0	Gravel	% Sand		% Silt	% Mud/Clay	€○ % Bedrock
ΑŒ	μ atic Vege	tation*:	(Note amour	nt of vegetation	n or algal grow	th at the asse	ssment site	e.)	
	~ 5%	attach	ud alga	76-			100		
			a			***************************************	<u></u>		
W	ater Chara	cteristics	s*: (Mark all	that apply.)					
	Odor:		Sewage	□ Musky	☐ Che	mical	☑ None	☐ Other:	
	Color:	团	Clear	☐ Green	☐ Gra	y	☐ Milky	☐ Other:	

☐ Foam

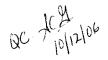
☐ Fine sediments

None

□ None

 \square Other:

☐ Other:



☐ Solids

☐ Scum

Bottom Deposit:

Surface Deposit:

☐ Sludge

☑ Oil

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WBID # 0129 Site # 1221

Date: 10 / 12/ 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).						
NONE						
	_					

Date: 10/ 12-/ 2006

Telephone #:

None Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

	(Make addition	al copies as necess	sary for multiple interv	views)					
1. Do you live i	n the area? □ You long have you								
	rsonally used thi	=	creation since 1975?	□ Yes □ No					
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing					
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting					
☐ Hunting ☐ Trapping ☐ Fishing ☐ None of the above ☐ Other:									
How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? No									
	ase check ALL t	T	1						
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing					
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	□ Rafting					
☐ Hunting	☐ Trapping	Fishing	☐ None of the above	Other:					
	How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:								
Contact Inform Name: Address:		to provide):							

Date: 10 / 12/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): 3	- • - •	EPE6m	Arrival Time:	
Longitude (ddd.dddd): (92.05263	ofe@ppi	151	49
Photo Ids: Upstream:	1136 E	Oownstream: 1137	Other:	
	CI			
rative Description	of Location: (Des	scribe access point to stream	, nearby roads, landmarks, etc	.)
10950 M 02	OF CK TO	is bridge unos	oing.	
rounding Condition	ns*: (Mark all that r	promote or impede recreation	nal uses. Attach photos of evid	lence or unusual
s of interest.)			mar acco. Treaten pricted of CVIC	ichice of unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lane	ds Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	Other: AG Fil	Uds
			J	
man Uses Observed	T			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	None of the above	☐ Other:
Describe: (include numb	per of individuals rec	reating, frequency of use, pl	noto-documentation of evidence	ce of recreational uses, et
REALITING 1	TO THE TOWN OF THE PARTY OF THE			
dence of Human Us	<u>ε</u> ρ*•			
□ Roads	☐ Foot paths/prin	ats Dock/platform	☐ Livestock Watering	□ RV / ATV Track
☐ Rope swings	☐ Camping Sites		☐ NPDES Discharge	☐ Fishing Tackle
Other: NONE	1 1	1 1 3		
- Joure				
rces of Pollution: (e	e.g., trash dumping, ti	res, drainages, discharges, e	etc.)	
PASTURES LAGFIE		<u> </u>		

WBID # 0729 Site # 1222 4 Date: 10 / 12-/ 2006 Data Sheet B - Site Characterization - 2 of 3 **Stream Morphology: Upstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle □ Run 38 880 6.1 0.38 0.48 DX Pool Flow ☐ Yes Velocity (ft/sec): Present? **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) □ Riffle □ Run 835 35 0.35 🔯 Pool 54 0.45 ☐ Yes ₹X No Velocity (ft/sec): ☑ Flow Present? Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Sand 10 % Silt % Mud/Clay % Bedrock 60 Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) NONE Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	🛚 None	☐ Other:
Color:	Clear	☐ Green	□ Gray	□ Milky	☐ Other:
Bottom Deposit:	□ Sludge	□ Solids	Fine sediments	□ None	Other: laves
Surface Deposit:	□ Oil	□ Scum	□ Foam	□ None	Other: Shelp

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WBID :	#	0729	Site	#	1222

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization - 3 of 3

omments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique loc nditions, problems in measuring, site relocation).	al
NONE	

WBID #_	0729	Site # _	1222
Date: 10	1 121	2006	_
		<u>F</u> i	ield Data

Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

	(Make addition	al copies as necess	ary for multiple interv	views)					
1. Do you live i	n the area? ☐ You long have you	es □ No lived here?	NONE						
	sonally used things check ALL to		creation since 1975?	□ Yes □ No					
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing					
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting					
☐ Hunting ☐ Trapping		☐ Fishing	☐ None of the above	☐ Other:					
3. Have you obs	How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? Yes								
	se check ALL ti		T						
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing					
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	□ Rafting					
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:					
	How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:								
4. Additional Comments:									
Contact Information	ation (if willing	to provide):							

Address:

Telephone #:

Date: 10/ 12/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): 3		EPÉ 6m	Arrival Time:	20	
Longitude (ddd.dddd):	92.05013		15	38	
Photo Ids: Upstream:	1133	Oownstream: 113 4	Other: 1135~	1135-ROAD	
		scribe access point to stream,	nearby roads, landmarks, etc.)		
1720m U	5				
rrounding Conditions of interest.)	ns*: (Mark all that p	promote or impede recreation	nal uses. Attach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation land	ls Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence	☐ Steep slopes	Other: Ag Fill	ds	
man Uses Observed	!*:		J _.		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	None of the above	☐ Other:	
Zustries (morado mario		realing, frequency of age, pin	oto-documentation of evidence	or recreational uses, ex	
dence of Human Us	se*:				
□ Roads	☐ Foot paths/prii	nts Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
☐ Other:					
Other:			The state of the s		
		ires, drainages, discharges, et	tc.)		

e:/_	12/2000	Ψ					
		Data S	Sheet B - Site Ch	aracterization –	2 of 3		
eam Morj Jpstream	phology: View Phys	sical Dime	nsions:				
	Distanc access po		Width (m)	Length (m)	A	vg. Depth (m)	Max Depth (m
□ Riffle							
□ Run							
							·
⊠ Pool	10	0	3	10		0.05	0-1
Pool Flow	Present?		3 (No	Velocity (ft/sec):		0.05	0.1
Flow	Present? am View P Distance	Yes hysical Diversion	No	Velocity (ft/sec):	A		
Flow	Present?	Yes hysical Diversion	No mensions:	<u>-</u>	A	0.05 vg. Depth (m)	
Flow Pownstres Riffle	Present? am View P Distance	Yes hysical Diversion	No mensions:	Velocity (ft/sec):	A		
Flow Oownstres Riffle Run	Present? am View P Distance access po	Yes hysical Diversion	No mensions:	Velocity (ft/sec):	A		Max Depth (m
Flow Pownstres Riffle Run Pool	Present? am View P Distance access po	Yes hysical Direction (m)	Mensions: Width (m)	Velocity (ft/sec): Length (m)	A	vg. Depth (m)	Max Depth (m
Flow Pownstres Riffle Run Pool Flow	Present? Am View P Distance access por acc	Yes hysical Direction (m)	Monomensions: Width (m) 38	Velocity (ft/sec): Length (m)	A	vg. Depth (m)	Max Depth (m
Flow Oownstres Riffle Run Pool Flow Strate*:	Present? Am View P Distance access por acc	Yes hysical Direction (m)	No mensions: Width (m) 3 8 No up to 100%.)	Velocity (ft/sec): Length (m) S Velocity (ft/sec):	Av Silt	vg. Depth (m)	Max Depth (m

Water Characteristics*: (Mark all that apply.)

Odor:	□ Sewage	□ Musky	☐ Chemical	None	☐ Other:
Color:	Clear	☐ Green	□ Gray	☐ Milky	☐ Other:
Bottom Deposit:	□ Sludge	□ Solids		□ None	Other: 100VES
Surface Deposit:	□ Oil	□ Scum	□ Foam	X None	☐ Other:

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WBID	#	0729	_Site#_	1223
Date: _	10	1 12/2	2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).							
	Noné						

Date: 10/ 12/2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live i		Yes □ No lived here?		10.110		
	rsonally used things check ALL the		creation since 1975?	□ Yes □ No		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:		
How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? \[\text{Yes} \text{No} \]						
	ase check ALL the			T		
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	Rafting		
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:		
How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year C Less than 1 time per year - please describe:						
4. Additional C	omments:					
Contact Information Name:	ation (if willing	to provide):				

Address:

Telephone #:

WBID #_	0729	Site # _	1224
		2201	

Date: 10 / 12 /2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Latitude (ddd.dddd): 5	D. 65668	Arrival Time:				
Longitude (ddd.dddd):	092 04919	EFC - 1	· .	1527		
Photo Ids: Upstream:		Other:				
-						
····						
				arby roads, landmarks, etc.)		
460m UPSTREAM	OF CR 488 P	OAD	CAOSSING.			
•	ns*: (Mark all that p	oromote	e or impede recreational u	ses. Attach photos of evider	nce or unusual	
ns of interest.) City/county parks	☐ Playgrounds	Пм	DC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses		☐ State parks ☐ National forests			☐ Stairs/walkway	
☐ No trespass sign	☐ Fence	LI St	eep slopes	Other: FOREST, PAST	<u> </u>	
man Uses Observed	!*:					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Rafting	
☐ Hunting	☐ Trapping		☐ Fishing	☑ None of the above	☐ Other:	
Describe: (include numb	per of individuals rec	reating	, frequency of use, photo-	documentation of evidence	of recreational uses, et	
idence of Human Us	se*:		1			
□ Roads	☐ Foot paths/pri	nts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Track	
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
√	TO ALVI - 1131	.1132				
M Other: TRACTOR						
Other: TRACTOR	1101613					
urces of Pollution: (e						

QC - C. Hallandor

Date: 10 / 12/ 2006

S

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:	
TT	

	Distance from access point (m)	Width (m)	Length	(m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle						
□ Run						
□ Pool						
□ Flow	Present?	□ No	Velocity (ft	/sec):		
Downstream	ı View Physical l	Dimensions: *	DRY STREAM	f e.n		
	Distance from access point (m)	Width (m)	Length		Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
□ Pool						
□ Flow	Present?	□ No	Velocity (ft	/sec):		
hetrate*• (T	hese values should ac	1d up to 100%)				
		·	% Sand	% Silt	% Mud/Clay	% Bedroc
uatic Vegeta		nt of vegetation or alg	al growth at the	assessment si	te.)	<u> </u>
NIA			<u>, </u>			
ater Charact	teristics*: (Mark a	ll that apply.) 💢 🧎	MY STREAMB	હો .	Washington C.	
Odor:	☐ Sewage	☐ Musky	☐ Chemical	☐ None	☐ Other:	
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	Other:	
Bottom Depos	it: 🗆 Sludge	☐ Solids	☐ Fine sedimen	ts 🗆 None	☐ Other:	
Surface Depos	sit: 🗆 Oil	□ Scum	☐ Foam	☐ None	☐ Other:	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.



WBID # 0729 Site # 1224

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).						
NOME						

Date: 10 / 12 / 2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews
(Make additional copies as necessary for multiple interviews)

·	v long have you	lived here?		□ Yes □ No					
 Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply: 									
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing					
☐ Wind surfing	ind surfing								
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:					
How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? \[\text{Yes} \text{No} \] If so, please check ALL that apply:									
☐ Swimming	☐ Skin diving	☐ SCUBA diving	□ Tubing	☐ Water skiing					
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting					
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:					
How often have you observed it being used for recreation? G More than 5 times per year G 1-5 times per year C Less than 1 time per year – please describe:									
4. Additional Comments:									
Contact Inform Name: Address:	ation (if willing	to provide):							

Date: 10 / 12 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): 🥱	8 65495	Arrival Time:	The state of the s				
Longitude (ddd.dddd): (592 84816	EPE-7m		1517	1617		
Photo Ids: Upstream:			im: 1130	Other:			
	,						
		······		arby roads, landmarks, etc.)			
Jeon altheau	OF CR 488 RG	AD CA	055IN G.				
	ns*: (Mark all that p	promote o	or impede recreational u	ses. Attach photos of evide	nce or unusual		
s of interest.)							
☐ City/county parks	☐ Playgrounds		C conservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks		onal forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	pass sign ☐ Fence ☐ Steep slopes ☐ Other: Forces T						
nan Uses Observed	* •						
☐ Swimming	☐ Skin diving		SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking		l Boating	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping		l Fishing	P None of the above	☐ Other:		
<u> </u>				documentation of evidence			
dence of Human Us	se*:						
□ Roads	☐ Foot paths/pri	nts	□ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks		
	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
☐ Rope swings	☐ ☐ Camping Sites			- Til Deb Discharge	- I willing I would		
☐ Rope swings	☐ Camping Sites		F	TTTPES Discharge			
☐ Rope swings	☐ Camping Sites			a made allocations			
☐ Rope swings				a made discharge			

OC ACHALLANDO

WBID # <u>0729</u> Site # <u>1225</u>

Date: 10 / 12/2006

Bottom Deposit:

Surface Deposit:

☐ Sludge

☐ Oil

Data Sheet B - Site Characterization - 2 of 3

	Dista	ysical Dim nce from point (m)		* DAY 5	Length (m)	Av	g. Depth (m)	Max Depth (m)
☐ Riffle	400033	point (m)						
□ Run								
☐ Pool					*****			
☐ Flow	Present?	☐ Yes	□ No	V	elocity (ft/sec):			
Downstre	Dista	Physical I		ns:	STREAMBED Length (m)	Av	g. Depth (m)	Max Depth (m)
☐ Riffle	access	point (m)					S. 2 (III)	
□ Run	-							
□ Pool								
☐ Flow	Present?	☐ Yes	□ No	V	elocity (ft/sec):			
bstrate*:	(These valu	ies should ad	d up to 100	%.)				
	Cobble		Gravel	% Sano	1 %	6 Silt	% Mud/Clay	% Bedroo
uatic Veg	etation*:		nt of vegeta	tion or algal grov	wth at the assessm	ent site.)		
.,		· •	· · · · · · · · · · · · · · · · · · ·					
	acteristic	s*: (Mark al	l that apply	V1G & (.	s treanged			
iter Chara								
Odor:		Sewage			emical \Box	None	☐ Other:	

☐ Foam

☐ Fine sediments

☐ None

□ None

☐ Other:

☐ Other:



☐ Solids

☐ Scum

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WBID	#_	0729	Site	#	1225
------	----	------	------	---	------

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).					
NONE					
	· · · · · · · · · · · · · · · · · · ·				

Date: 10/17/2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews (Make additional copies as passagery for multiple in

1. Do you live i		- Yes □ No	eary for multiple interv	views)			
	rsonally used thi		creation since 1975?	□ Yes □ No			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting ☐ Trapping ☐ Fishing ☐ None of the above ☐ Other:							
3. Have you ob:	How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? \[\text{Yes} \text{No} \]						
☐ Swimming	ase check ALL to	SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting			
☐ Hunting	☐ Trapping		☐ None of the above	Other:			
	Hunting						
Contact Inform Name:	ation (if willing	to provide):	,				

WBID # 0729	_Site#	1226
Date: 10 / 12 /	2006	-
	<u>F</u>	ield Data
		Data She

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

Latitude (ddd.dddd): 3	18.65365			Arrival Time:		
Longitude (ddd.dddd):	092.04793	EPE-	14	15	908	
Photo Ids: Upstream:			eam: 1127	Other: 1128- ATV TRACKS		
					,, ,	
						
				rby roads, landmarks, etc.)		
120m US OF 554		Ch.	335 ING.			
'ले।व	iop					
-	ns*: (Mark all that p	romote	or impede recreational u	ses. Attach photos of evider	nce or unusual	
ms of interest.)			20 4 1 1			
☐ City/county parks	□ Playgrounds		OC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses			☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	☐ Ste	ep slopes	Other: FOREST	***************************************	
uman Uses Observed	l*:					
Swimming	☐ Skin diving		□ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	□ Rafting	
☐ Hunting	☐ Trapping		□ Fishing	☑ None of the above	☐ Other:	
Describe: (include num	per of individuals recr	eating,	frequency of use, photo-	documentation of evidence	of recreational uses, etc	
L						
vidence of Human U	se*:				(1128)	
☐ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	☑ RV / ATV Tracks	
LI ROUGS	l — a . a.		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
☐ Rope swings	☐ Camping Sites					
☐ Rope swings	1	<u> </u>	· · · · · · · · · · · · · · · · · · ·			
☐ Rope swings	28)			•		
☐ Rope swings ☐ Other: ATV ()	28)	res, dra	inages, discharges, etc.)	•		
☐ Rope swings	28) e.g., trash dumping, ti	res, dra	inages, discharges, etc.)	•		

QC Mallardr 10/12/06

Date: 10 / 12/ 2006

Data Sheet B - Site Characterization - 2 of 3

	Distance from access point (m)	Width (m)	Length (n	1) .	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
Pool	20	3	20		0.25	0.35
Flow	Present?	s 💆 No	Velocity (ft/sec	c):	-	
Downstrean	n View Physical	Dimensions: *	DRY STAEAMOUD			
	Distance from access point (m)	Width (m)	Length (n	ı) .	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
□ Pool						
□ Flow	Present?	s □ No	Velocity (ft/sec	: :):		
				44-3-12-3-12-		
hstrate*• (T	hese values should	add up to 100%)				
bstrate*: (T	These values should cobble 25 %	~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	% Sand	% Silt	% Mud/Clay	40 % Bedro
20 % C	Cobble 25 %	~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				40 % Bedroo
20 % C uatic Veget A/A	Cobble 25 %	unt of vegetation or a				40 % Bedroo
20 % C uatic Veget A/A	ation*: (Note amo	unt of vegetation or a				40 % Bedroo
20 % C uatic Veget A/A ater Charac	ation*: (Note amo	unt of vegetation or a	lgal growth at the ass	essment sit	e.)	40 % Bedroo
20 % C quatic Veget A/A ater Charac Odor:	ation*: (Note amo teristics*: (Mark Sewage	unt of vegetation or a all that apply.)	lgal growth at the ass	essment sit	e.)	40 % Bedroo

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ac Jo Hallando

WBID # 0729 Site # 1226

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).					
None					

Date: 10/17/2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

	n the area? Valong have you	Yes □ No lived here?					
	rsonally used thi		creation since 1975?	□ Yes □ No			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Hunting ☐ Trapping ☐ Fishing ☐ None of the above ☐ Other:						
	How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year – please describe: 3. Have you observed others using this water body for recreation since 1975? No						
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
	How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:						
4. Additional C	4. Additional Comments:						
Contact Inform Name: Address:	ation (if willing	to provide):					

	_ Site # <u>1227</u> _	
ate: 10 / 12 /	200¢	
	Field Data Sheets for Recreational Us	se Stream Sur
	Data Chart D. C'ta Chart to the	1 . 6 2
	Data Sheet B - Site Characterization	·
	(A separate Data Sheet B must be complete	d for each site
Latitude (ddd.dddd	1): 38.65252	Arriv
Longitude (ddd.ddd	dd): 012.04800 FPE-5m	
Longitude (ddd.ddd Photo Ids: Upstre	am: 1120 Downstream: 1121	Other
	am: 20 Downstream: 21	Other

Latitude (ddd.dddd):	38.65252		Arrival Time:		
Longitude (ddd.dddd):	012-04800	EDE - 5m	1458		
Photo Ids: Upstream:		ownstream: 2 \		Fence	
				TRASH	
		11.2	5. SPAAY PADAT 1124-	A IV TRACICS	
		cribe access point to stream, n	earby roads, landmarks, etc.)		
AT CR 488 ROAD	Chossan6.				
urrounding Condition ms of interest.)	18*: (Mark all that p	romote or impede recreational	uses. Attach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	□ National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☑ State parks ☑ Fence	☐ Steep slopes	Other: AGRICULTURE/ ? AS TURES		
Li 140 despass sign	71132	□ Steep stopes	I OMET. AGY - CULTU	RE// AS TURES	
uman Uses Observed	*:				
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	☑ None of the above	☐ Other:	
	er of individuals recr	eating, frequency of use, phot	o-documentation of evidence	of recreational uses, et	
Describe: (include numb					
Describe: (include numb					
Describe: (include numb					
Describe: (include numb					
				1121:	
vidence of Human Us	e*:			_ II24	
vidence of Human Us	e*: □ Foot paths/prin		☐ Livestock Watering	NV / ATV Track	
vidence of Human Us ☐ Roads ☐ Rope swings	e*:	ts	☐ Livestock Watering ☐ NPDES Discharge	☐ RV / ATV Track	
vidence of Human Us ☑ Roads	e*: □ Foot paths/prin			NV / ATV Track	
vidence of Human Us Roads Rope swings Other:	e*: ☐ Foot paths/prin ☐ Camping Sites		□ NPDES Discharge	NV / ATV Track	

	2-1 2006 Data	Sheet B - Site Cha			
	Data	Sheet B - Site Cha			
		Show B Sho Chi	aracterization – 2 (of 3	
ream Mori	phology:				
Upstream	View Physical Dim	ensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
⊠ Pool	10	3.3	ID	0.08	0.13
Flow	Present? ☐ Yes	∑′No	Velocity (ft/sec):		
Downstrea	am View Physical D	imensions: $X_{\overline{V}}$	RY STREAMLED		
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
□ Run					
☐ Run ☐ Pool			1		
	Present? □ Yes	□ No	Velocity (ft/sec):		
□ Pool	Present?	□ No	Velocity (ft/sec):		
□ Pool	Present?		Velocity (ft/sec):		×I.

Aq	Equation : (Note amount of vegetation of algal growth at the assessment site.)	
	NONE	

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:	
Color:	☑ Clear	☐ Green	☐ Gray	☐ Milky	☐ Other:	
Bottom Deposit:	□ Sludge	□ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	□ Scum	☐ Foam	None	☐ Other:	

OC A Hallardr

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WBID # 0729 Site # 1227

Date: 10 / 12 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).					
None					

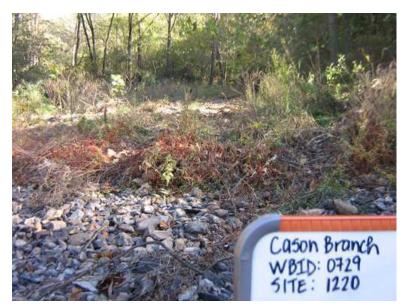
10/12/20	α_{φ}			
	Field Data S	heets for Recreati	onal Use Stream Sui	veys
NONE	(Make addition	Data Sheet C – nal copies as necess	Interviews sary for multiple inter	views)
•	in the area? Volume I in the	Yes □ No lived here?	·	
	rsonally used the		ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
	G 1 – 5 time G Less than	5 times per year s per year 1 time per year – p	lease describe:	
3. Have you ob If so, ple	G More than G 1 – 5 time G Less than served others us ase check ALL t	5 times per year s per year 1 time per year – p ing this water body hat apply:	for recreation since 1	975? □ Yes □ N
3. Have you ob If so, ple ☐ Swimming	G More than G 1 – 5 time G Less than served others us ase check ALL t	5 times per year s per year 1 time per year – p ing this water body hat apply:	for recreation since 1	975? □ Yes □ N
3. Have you ob If so, ple	G More than G 1 – 5 time G Less than served others us ase check ALL t	5 times per year s per year 1 time per year – p ing this water body hat apply:	for recreation since 1	975? □ Yes □ N
3. Have you ob If so, ple Swimming Wind surfing Hunting How ofte	G More than G 1 – 5 time G Less than served others us ase check ALL t Skin diving Kayaking Trapping Trapping have you obse G More than G 1 – 5 time G Less than	ing this water body hat apply: SCUBA diving Boating Fishing stimes per year time per year	for recreation since 1 Tubing Wading None of the above	975?
3. Have you ob If so, ple Swimming Wind surfing Hunting How ofte	G More than G 1 – 5 time G Less than served others us ase check ALL t Skin diving Kayaking Trapping Trapping have you obse G More than G 1 – 5 time G Less than	ing this water body hat apply: SCUBA diving Boating Fishing stimes per year time per year	for recreation since 1 Tubing Wading None of the above for recreation?	975?

Contact Information (if willing to provide): Name:

Address: Telephone #:



Site# 1220 Photo ID# 1142, Upstream



Site# 1220 Photo ID# 1144, Tractor tracks



Site# 1220 Photo ID# 1143, Downstream



Site# 1221 Photo ID# 1139, Upstream



Site# 1221 Photo ID# 1138, Downstream



Site# 1221 Photo ID# 1141, Fence



Site# 1221 Photo ID# 1140, Fence



Site# 1222 Photo ID# 1136, Upstream



Site# 1222 Photo ID# 1137, Downstream



Site# 1223 Photo ID# 1134, Downstream



Site# 1223 Photo ID# 1133, Upstream



Site# 1223 Photo ID# 1135, Road



Site# 1224 Photo ID# 1131, Upstream



Site# 1225 Photo ID# 1129, Upstream



Site# 1224 Photo ID# 1132, Downstream



Site# 1225 Photo ID# 1130, Downstream



Site# 1226 Photo ID# 1126, Upstream



Site# 1226 Photo ID# 1138, ATV tracks



Site# 1226 Photo ID# 1127, Downstream



Site# 1227 Photo ID# 1120, Upstream



Site# 1227 Photo ID# 1121, Downstream



Site# 1227 Photo ID# 1123, Trash



Site# 1227 Photo ID# 1122, Fence



Site# 1227 Photo ID# 1124, ATV tracks



Site# 1227 Photo ID# 1125, Spray paint